Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

AMERICAN

Journal of Mathematics

EDITED BY

FRANK MORLEY

WITH THE COOPERATION OF

A. COHEN, CHARLOTTE A. SCOTT

AND OTHER MATHEMATICIANS

PUBLISHED UNDER THE AUSPICES OF THE JOHNS HOPKINS UNIVERSITY

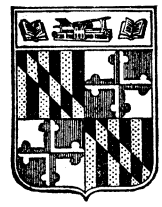
Πραγμάτων ἔλεγχος οὐ βλεπομένων

VOLUME XXXI

BALTIMORE: THE JOHNS HOPKINS PRESS

LEMCKE & BUECHNER, *New York.*
G. E. STECHERT & CO., *New York.*
E. STEIGER & CO., *New York.*
KEGAN PAUL, TRENCH, TRÜBNER & CO., *London.*
A. HERMANN, *Paris.*
MAYER & MÜLLER, *Berlin.*
KARL J. TRÜBNER, *Strassburg.*
ULRICO HOEPLI, *Milan.*

1909



The Lord Baltimore Press
BALTIMORE, MD., U. S. A.

INDEX.

PAGE

CARVER, W. B. The Quadric Spreads Connected with the Configuration $\Gamma_{n+4,n}^{n+2}$, and a Special Case in the Pascal Hexagram, ... 1

COBLE, ARTHUR B. Symmetric Binary Forms and Involutions, ... 183

COBLE, ARTHUR B. Symmetric Binary Forms and Involutions, *Continued*, . . 355

DICKSON, LEONARD EUGENE. Rational Reduction of a Pair of Binary Quadratic Forms; their Modular Invariants, ... 103

DICKSON, LEONARD EUGENE. A Theory of Invariants, ... 337

GRIFFIN, FRANK LOXLEY. On the Law of Gravitation in the Binary Systems, . 62

LANDAU, EDMUND. Lösung des Lehmer'schen Problems, ... 86

MARSHALL, WILLIAM. The Asymptotic Representation of the Elliptic Cylinder Functions, ... 311

MILLER, G. A. Methods to Determine the Primitive Roots of a Number, . . 42

MILLER, G. A. Finite Groups Which May Be Defined by Two Operators Satisfying Two Conditions, ... 167

MORLEY, F., and CONNER, J. R. Plane Sections of a Weddle Surface, . . 263

RANUM, ARTHUR. The Group-Membership of Singular Matrices, ... 18

SCHOUTE, P. H. On the Angles of the Regular Polytopes of Four-dimensional Space, ... 303

SCHWEITZER, ARTHUR RICHARD. A Theory of Geometrical Relations, . . . 365

SHAW, JAMES BYRNIE. Standard Forms of Certain Types of Peirce Algebras, . 45

SISAM, C. H. On Some Loci Associated with Plane Curves, ... 253

SNYDER, VIRGIL. Surfaces and Congruences Derived from the Cubic Variety Having a Double Line in Four-Dimensional Space, ... 147

VAN BENSCHOTEN, ANNA L. The Birational Transformations of Algebraic Curves of Genus Four, ... 213

WRIGHT, J. EDMUND. The Differential Equations Satisfied by Abelian Theta Functions of Genus Three, ... 271

WRIGHT, J. EDMUND. Differential Equations Admitting a Given Group, . . 299